



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/690,170

10/21/2003

Igor Y. Khandros

P197-US

3947

27521

7590

02/24/2006

KEN BURRASTON
KIRTON & MCCONKIE
PO BOX 45120
SALT LAKE CITY, UT 84145-0120

EXAMINER

NGUYEN, TUNG X

ART UNIT

PAPER NUMBER

2829

DATE MAILED: 02/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/690,170

Applicant(s)

KHANDROS ET AL.

Examiner

Tung X. Nguyen

Art Unit

2829

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-61 is/are pending in the application.
- 4a) Of the above claim(s) 20-55 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12, 16-19 and 56-61 is/are rejected.
- 7) ☒ Claim(s) 13-15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>9/12/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of group I with claims 1-19, and 56-61 in the reply filed on 12/02/05 is acknowledged. The traversal is on the ground(s) that there is not burden. This is not found persuasive because the inventions are classified in different classes and there are divergent subject matters and the search for the group I is not required the same search in groups II and III.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 20-55 were withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected group II, and III, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 12/02/05.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 56-59 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lukindo (u.s.p 6,975,955).

As to claim 56, Lukindo discloses in Figs. 1-2, the system and the method for managing the test stations comprising: a transmitting a test directive wirelessly from said tester (14 of figure 1) to said test station (10 of figure 1); and running at said test

Art Unit: 2829

station a test (102 of figure 2) on the device under test (DUT) in accordance with said test directive (figs. 1-2). Lukindo does not teach the device under test is the electric device. It would have been obvious to a person having ordinary skill in the art at the time the invention was made to recognize the device under test including the electric device.

As to claims 57-58, Lukindo discloses in Figs. 1-2, the directive comprises a command and decoding the command via the computer station (101 of figure 2) for testing and measuring the electric device (via 102 of figure 2).

As to claim 59, Lukindo discloses in Figs. 1-2, the test directive comprises the test vector comprising data and locations to which the data is to be written (via 101 of figure 2, and test station 10).

5. Claims 1-4, 60- 61 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lukindo (u.s.p 6,975,955); in view of Brady et al. (u.s. p 6,236,223)

As to claim 60, Lukindo discloses in Figs. 1-2, all of the limitations except for using the probes for testing the electronic device. However, Brady et al. disclose in Figs. 1-2 using the probes (214 of figure 2D) for receiving and transmitting the signal from the electronic device (212 of figure 2D). Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to use the probes for easily receiving and transmitting the signal from the electronic device (212 of figure 2D) to analyzing and testing the device under test.

As to claims 1, 61, Lukindo discloses in Figs. 1-2, transmitting step comprises transmitting a plurality of test directive wirelessly from said tester (14 of figure 1) to said

Art Unit: 2829

test station (10 of figure 1); and said running step comprises running at said test station a plurality of tests on said electric device (102) in accordance with said test directives (figs. 1-2).

As to claim 2, Brady et al. disclose in Figs. 1-2, a transmitter (220 of figure 2A) for transmitting results of the testing wirelessly from the test station (232) to the tester (228).

As to claim 3, Brady et al. disclose in Fig. 2C, testing a plurality of electronic devices (212 of figure 2C) at the test station (238) using the transmitted test data (via 220).

As to claim 4, Brady et al. disclose in Figs. 1-2, the test data comprises commands and the step of testing an electronic device comprises executing the commands (col. 3, lines 45-50).

6. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lukindo (u.s.p 6,975,955); in view of Brady et al. (u.s.p 6,236,223), and further in view of Rostoker et al. (u.s.p 5,539,325).

As to claim 5, Lukindo in view of Brady et al. disclose all of the limitations except for the electronic device comprising a self-test circuitry. However, Rostoker et al. disclose the electronic device comprising a self-test circuitry (col. 6, lines 15-20) for detecting the block of the electronic device. Therefore, It would have been obvious to a person having ordinary skill in the art at the time the invention was made to modify system of Lukindo in view of Brady et al., and provide the self-test circuitry, as taught by Rostoker et al., for detecting the block of the electronic device.

As to claims 6-12, Lukindo disclose in Figs. 1-2, a plurality of test stations (10 of figure 1).

As to claims 16-19, Brady et al. disclose in Fig. 2C, the test station (238 of figure 2C) comprises a prober (214) and the semiconductor wafer (212).

Allowable Subject Matter

7. Claims 13-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

8. Applicant's arguments, see "remark" on pages 10-15, filed 8/4/05, with respect to the rejection(s) claim(s) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Lukindo and Brady et al.

Conclusion

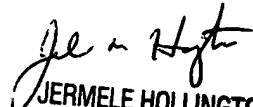
9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung X. Nguyen whose telephone number is (571) 272-1967. The examiner can normally be reached on 8:30am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2829

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TN
2/16/06


JERMELE HOLLINGTON
PRIMARY EXAMINER
A02829
02/21/06